	Application No.	Applicant(s)
Notice of Allowability	10/608,572	ATTARWALA ET AL.
	Examiner	Art Unit	
	AJIT G. PATEL	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>6/30/2003</u>.

2. ☒ The allowed claim(s) is/are <u>1;3-12,14-29 renumbered 2-27 respectively</u>.

Ajit Patel
Primary Examiner

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
    Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

       Authorization for this examiner's amendment was given in a telephone interview

with Mr. C. Bernard on 3/12/2007.

2.   The application has been amended as follows: The following claims have been

amendment.

1.   (Currently Amended) A method for calculating a protect route in a communication network,
the method comprising:

       selecting a working route among a plurality of candidate working routes in a communication

network; and

       selecting a protect route among a plurality of candidate protect routes in the communication

network, where each candidate protect route in the plurality of candidate protect routes includes

an associated administrative weight, and where the protect route that is selected has a least value

of administrative weight among the candidate protect routes,

       wherein a candidate protect route in the plurality of candidate protect routes has an

associated administrative weight that includes a weighted value of a predefined high value if a link

in the candidate protect route shares a resource with a link of the working route.

       Claim 2 has been canceled.

12.   An apparatus for calculating a protect route in a communication network, the apparatus
comprising:

a routing engine configured to select a working route among a plurality of candidate working routes in a communication network, and configured to select a protect route among a plurality of candidate protect routes in the communication network, where each candidate protect route in the plurality of candidate protect routes includes an associated administrative weight, and where the protect route that is selected has a least value of administrative weight among the candidate protect routes,

wherein a candidate protect route in the plurality of candidate protect routes has an associated administrative weight that includes a weighted value of a predefined high value if a link in the candidate protect route shares a resource with a link of the working route;

an edge call control module configured to set up the selected working route and protect route in the communication network; and

a database configured to store the associated administrative weights that are queried by the routing engine in order to select the protect route.

Claim 13 has been canceled.

22.   An article of manufacture, comprising:

a ~~machine~~ computer-readable medium having stored thereon instructions executable by a computer to:

select a working route among a plurality of candidate working routes in a communication network; and

select a protect route among a plurality of candidate protect routes in the communication network, where each candidate protect route in the plurality of candidate protect routes includes an associated administrative weight, and where the protect route that is selected has a least value of administrative weight among the candidate protect routes,

wherein a candidate protect route in the plurality of candidate protect routes has an associated administrative weight that includes a weighted value of a predefined high value if a link in the candidate protect route shares a resource with a link of the working route.

27.   An apparatus for calculating a protect route in a communication network, the apparatus comprising:

means for selecting a working route among a plurality of candidate working routes in a communication network; and

means for selecting a protect route among a plurality of candidate protect routes in the communication network, where each candidate protect route in the plurality of candidate protect routes includes an associated administrative weight, and where the protect route that is selected has a least value of administrative weight among the candidate protect routes,

wherein a candidate protect route in the plurality of candidate protect routes has an associated administrative weight that includes a weighted value of a predefined high value if a link in the candidate protect route shares a resource with a link of the working route.

3.   The following is an examiner's statement of reasons for allowance: The prior art of the record fails to disclose a candidate protect route in the plurality of candidate protect routes has an associated administrative weight that includes a weighted value of a predefined high value if a link in the candidate protect route shares a resource with a link of the working route in combination of other limitations recited in claims 1, 12, 22 and 27. The prior art of the record fails disclose the step of establishing a protect route in the communication network, the protect route formed by at least one protect route link, with the protect route being selected based upon a length of the protect route link and a weighted value that depends on whether a protect route link shares a resource with a working route link in combination of other limitation recited in claim 23.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to AJIT G. PATEL whose telephone number is 571-272-

3140. The examiner can normally be reached on MONDAY-SATURDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AP

Ajit Patel
Primary Examiner